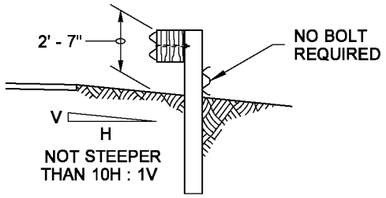
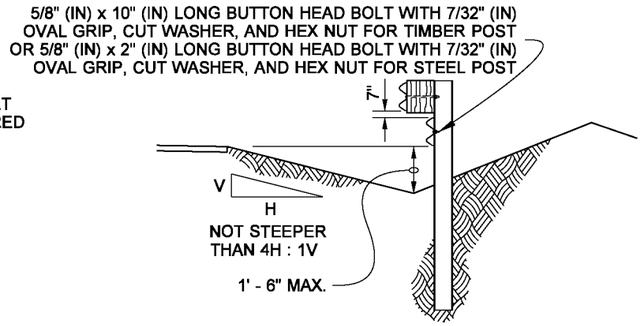
DRAWN BY: BILL BERENS



SECTION (A)



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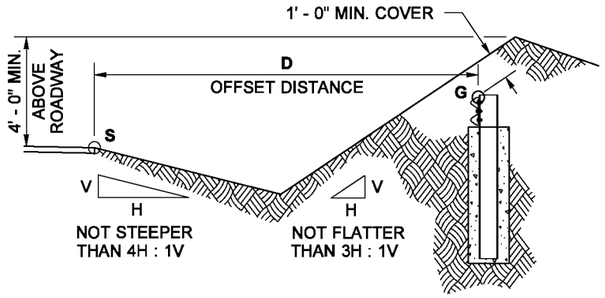
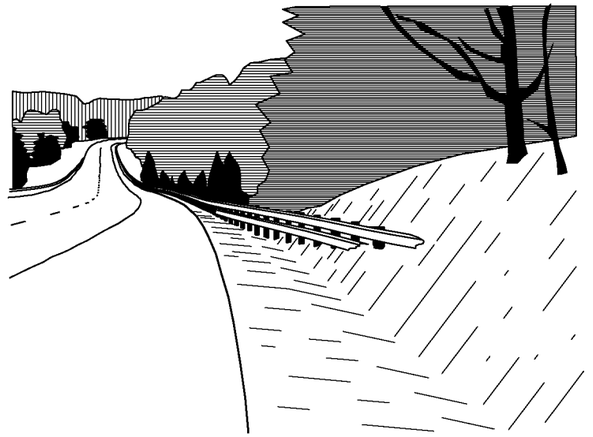
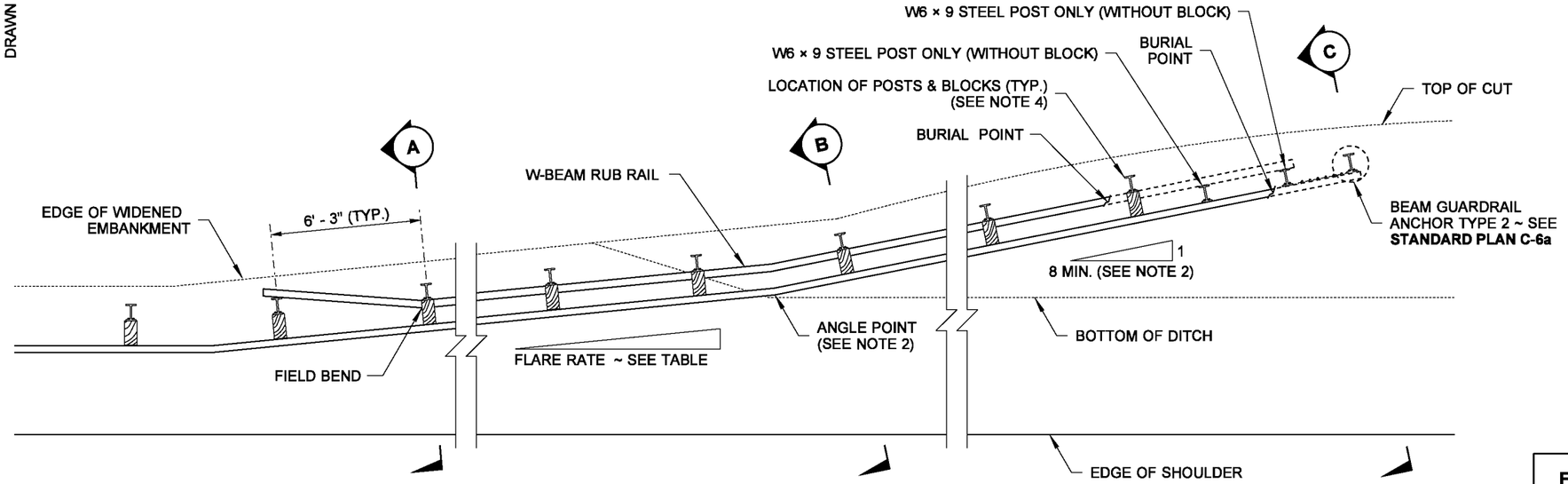


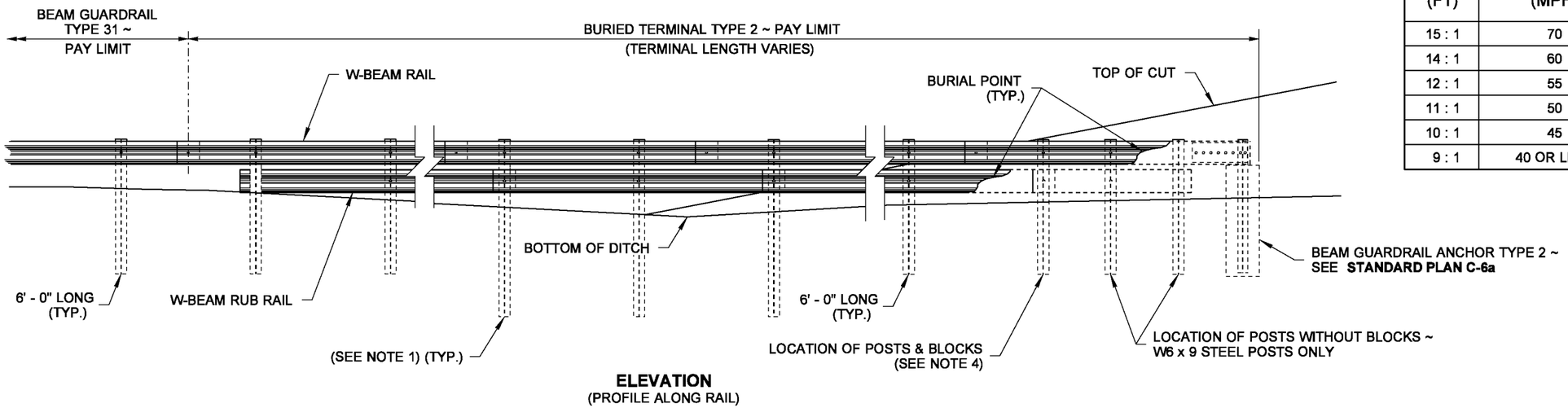
SECTION (C)
(SEE NOTE 3)



PERSPECTIVE



PLAN



ELEVATION
(PROFILE ALONG RAIL)

NOTES

1. Posts installed on shoulder slopes steeper than 10H : 1V shall be 8' (ft) long.

2. The flare rate of the guardrail may be increased after crossing the ditch bottom to shorten the length of the terminal.

3. Determine the height of the W-Beam at the Anchor (**G**) by first calculating the perpendicular offset distance (**D**) from the edge of shoulder (**S**) to the Anchor (on station). Multiply that distance by 0.1, then subtract the product from the elevation of the same point (**S**) on the edge of shoulder used to obtain the offset distance (at the same station). Add Beam Guardrail design height (31" (in)) to that remainder for a sum that equals the elevation of the top of the W-Beam at the Anchor.

   Refer to SECTION "C":

   Elevation $_{G}$ = (Elevation $_{S}$ - **D**(0.1)) + 31

4. Timber or steel post. Steel post shown.

FLARE RATE TABLE	
RATE (FT)	**POSTED SPEED** (MPH)
15 : 1	70
14 : 1	60
12 : 1	55
11 : 1	50
10 : 1	45
9 : 1	40 OR LESS

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BEAM GUARDRAIL TYPE 31
BURIED TERMINAL TYPE 2

STANDARD PLAN C-22.16-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Bakotich, Pasco
Jun 11 2014 1:09 PM
STATE DESIGN ENGINEER

Washington State Department of Transportation